PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P06711PC		see Form PCT/ISA/220 as well as, where applicable, item 5 below.					
International application No.	International filing date (day month year	late (day month year) (Earliest) Priority Date (day month year					
PCT/SE 2005/000383	17 March 2005	22 March 2004					
Applicant							
Bioarctic Neuroscience AB	et al						
	peen prepared by this International Searce copy is being transmitted to the Internati						
This international search report consi	ists of a total of5 sheets.						
It is also accompanied by	y a copy of each prior art document cited	in this report.					
Basis of the report With regard to the language, the	ne international search was carried out o	n the basis of:					
	olication in the language in which it was t						
a translation of the i	nternational application into	, which is the language					
h With report to any puelos	ished for the purposes of international security and/or amino acid sequence disclose	arch (Rules 12.3(a) and 23.1(b)) d in the international application, see Box					
No. I.		in the maximational application, see Dox					
2. Certain claims were found	d unsearchable (see Box No. II)	•					
3. Unity of invention is lack	ing (see Box No. III)						
4. With regard to the title,							
the text is approved as su	bmitted by the applicant.						
the text has been established	hed by this Authority to read as follows:						
Transgenic mod	lel for Alzheimer's dis	ease .					
i							
5. With regard to the abstract,							
x the text is approved as su	brnitted by the applicant.						
the text has been establish	hed, according to Rule 38.2(b), by this A	uthority as it appears in Box No. IV. The					
applicant may, within one comments to this Authority	e month from the date of mailing of this ity.	international search report, submit					
6. With regard to the drawings,							
	a. the figure of the drawings to be published with the abstract is Figure No.						
·	as suggested by the applicant.						
· ·	uthority, because the applicant failed to	-					
·	uthority, because this figure better chara	cterizes the invention.					
b. X none of the figures is to b	e published with the abstract.						

Form PCT/ISA/210 (first sheet) (April 2005)

INTERNATIONAL SEARCH REPORT

International application No. PCT/SE2005/000383

Box No. I	Nucleotide and/or amino acid sequence(s) (Continuation of Item1.b of the first sheet)
invention	ard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed in, the international search was carried out on the basis of: of material a sequence listing table(s) related to the sequence listing
	on paper in electronic form
c. time	of filing/furnishing contained in the international application as filed filed together with the international application in electronic form furnished subsequently to this Authority for the purposes of search
or	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed furnished, the required statements that the information in the subsequent or additional copies is identical to that in the plication as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Addition	al comments:
-	

Form PCT/ISA/210 (continuation of first sheet (1)) (April 2005)

· INTERNATIONAL SEARCH REPORT

International application No. PCT/SE 2005/000383

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A01K 67/027
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A01K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, se arch terms used)

EPO-INTERNAL, WPI DATA, PAJ, BIOSIS, MEDLINE, EMBASE

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Wirths, Oliver et al, "Intraneuronal A Beta accumulation precedes plaque formation in Beta-amyloid precursor protein and presenilin-1 double-transgenic mice", Neuroscience Letters, 2001, vol. 306, page 116 - page 120, abstract; page 17, column 1, paragraph 2; figure 2; page 118, column 2, lines 2 - page 119, column 1, paragraph 2; page 119, column 1, last paragraph	1-23
Υ	Qiao-Xin Li et al, "Intracellular Accumulation of Detergent-Soluble Amyloidogenic A Beta Fragment of Alzheimer's Disease Precursor Protein in the Hippocampus of Aged Transgenic Mice", J. Neurochem. 1999, vol. 72, page 2479 - page 2487, abstract	1-23

X	Further documents are listed in the continuation of Bo	x C.	X See patent family annex.		
* *A* *E*	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the international	#T#	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
"L"	anning case document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other	Α	document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone		
"O"	special reason (as specified) document referring to an oral disclosure, use, exhibition or other means	"Y"	document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art		
	the priority date claimed		document member of the same patent family		
Date	of the actual completion of the international search	Date of mailing of the international search report			
1 .	0 6 -07- 2005				
Nam	e and mailing address of the ISA/	Authorized officer			
Box Facs	dish Patent Office 5055, S-102 42 STOCKHOLM imile No. +46 8 666 02 86	Terese Sandström/EÖ Telephone No. +46 8 782 25 00			

Form PCT/ISA/210 (second sheet) (April 2005)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2005/000383

		-,
C (Continu	ation). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	De-Hua Chui et al, "Transgenic mice with Alzheimer presenilin 1 mutations show accelerated neurodegeneration without amyloid plaque formation", Nature Medicine, May 1999, vol. 5, no. 5, page 560 - page 564, abstract	1-23
Y	WO 0203911 A2 (LANNFELT, LARS), 17 January 2002 (17.01.2002), page 9, paragraph 2; page 13, paragraph 2	1-23
A	page 6, paragraph 5	1-4,11-16, 22-23
		
Y	Stenh, Charlotte et al, "The Arctic mutation interferes with processing of the amyloid precursor protein", Neuroreport, October 2002, vol. 13, no. 15, page 1857 - page 1860, page 1860, column 1, paragraph 3; page 1860, column 2, paragraph 2	1-23
		
Y	Nilsberth, Camilla et al, "The 'Arctic' APP mutation (E693G) causes Alzheimer's disease by enhanced A Beta protofibril formation", Nature neuroscience, September 2001, vol. 4, no. 9, page 887 - page 893, page 891, column 1, last line - page 892, column 1, paragraph 1	1-23
A	Fagan, Anne M. et al, "Human and Murine ApoE Markedly Alters A Beta Metabolism before and after Plaque Formation in a Mouse Model of Alzheimer's Disease", Neurobiology of Disease, 2002, vol. 9, page 305 - page 318, abstract	6,18

			
C (Continu	ation). DOCUMENTS CONSIDERED TO BE RELEVANT	-	
Category*	Citation of document, with indication, where appropriate, of the relev	ant passages	Relevant to claim No
A .	BIOSIS, accession no. PREV200400201273, Iwata N et al: "Clearance of amyloid - bet in the brain by adeno - associated viral wediated neprilysin gene transfer", Societ Neuroscience Abstract Viewer and Itinerary 33rd Annual Meeting of the Society of Neuroscience; New Orleans, LA, USA; Novemb 08-12, 2003, vol. 2003, Abstract No. 525.6	vector - ty for y Planner, per	10,21
x	US 20030200555 A1 (DARIA JEAN HAZUDA ET AL), 23 October 2003 (23.10.2003), paragraphs (0335); (0374) - (0379)	(0330) -	1-2,4,11-14, 16,22-23
A	US 5898094 A (KAREN DUFF ET AL), 27 April 1999 (27.04.1999), column 3, lines 27 - 30)	5,17
A	WO 02102412 A2 (MCGILL UNIVERSITY), 27 December 2002 (27.12.2002)		1-23
P,Y	Crowather, D. C. et al, "Intraneuronal A Beta, non-amyloid aggregates and neurodegenerati drosophila model of alzheimer's disease", Neuroscience, 2005, vol. 132, page 123 - pabstract	ion in a	1-23
P,X	WO 2004041213 A2 (BIOARCTIC NEUROSCIENCE AB ET 21 May 2004 (21.05.2004), page 37, line 3 38, line 3; page 57, lines 19-25	「AL), 30 - page	1,4,8-9, 11-13,14,16, 22,23
P,A	US 20040255341 A1 (DAVID A. LOWE ET AL), 16 December 2004 (16.12.2004)		1-4,11-13, 14-16,22-23
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· INTERNATIONAL SEARCH REPORT

Information on patent family members

28/05/2005

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